

FLUID CONTAINMENT TEXTILE STRUCTURE

ABSTRACT OF THE DISCLOSURE

A method for forming a launderable fluid containment textile structure composite of stitch bonded construction such as is useful in an incontinence pad or diaper and a textile composite formed by such method. The 5 textile composite includes a fluid retention layer of non-woven batting formed from a plurality of intermingled textile fibers. A plurality of bonding yarns extend in a repeating stitch bonding pattern through the fluid retention layer such that the bonding yarns form a user contact surface over the fluid retention layer. The stitch bonding pattern is characterized by a relatively low stitch density. Enhanced bulkiness and dimensional stability against laundering induced shrinkage is imparted by introduction of mechanically induced compressive shrinkage.

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